IN THE CLAIMS

Claim 1 has been amended as follows:

1. (Currently Amended) A user interface for a medical apparatus, comprising:

a display screen;

a memory containing normal data for at least two parameters;

a control unit connected to said screen and to said memory;

a signal input connected to said control unit for entering signal data for said at least two parameters into said control unit; and

said control unit causing said signal data for each parameter to be represented on said display screen as a sector of constant angular size in a regular polygon, said sectors being displayed without inter-relation to each other and said regular polygon having a predetermined size representing said normal data, and said control unit comparing said signal data to said normal data for each parameter and uniformly varying ~~an appearance~~ a radial size of said sector starting from said predetermined size dependent on a result of the comparison.

2. (Original) A user interface as claimed in claim 1 wherein said control unit varies the appearance of the sector only if a difference between the normal data and the signal data exceeds a predetermined threshold value for the parameter represented by the sector.

Claim 3 has been amended as follows:

3. (Currently Amended)   A user interface as claimed in claim 1 wherein said control unit varies ~~an area~~ the radial size of said sector to produce a clear visual distinction between said sector and adjacent sectors.

Claim 4 has been amended as follows:

4. (Currently Amended)   A user interface as claimed in claim 3 wherein said control unit varies said ~~area~~ radial size of said sector to increase said ~~area~~ radial size if said signal data are larger than said normal data and to decrease said ~~area~~ radial size if said signal data are less than said normal data.

5. (Original) A user interface as claimed in claim 1 wherein said control unit generates an inner regular polygon on said display screen inside said polygon, representing a lower alarm limit for said at least two parameters.

Claim 6 has been amended as follows:

6. (Currently Amended)   A user interface as claimed in claim 5 wherein said control unit varies said radial size of said sector in steps toward said lower alarm limit.

Claim 7 has been amended as follows:

7. (Currently Amended)   A user interface as claimed in claim 6 wherein said control unit varies said radial size of said sector in two steps.

8. (Original) A user interface as claimed in claim 1 wherein said control unit generates an outer regular polygon on said display screen, outside of said polygon, representing an upper alarm limit for said at least two parameters.

Claim 9 has been amended as follows:

9. (Currently Amended) A user interface as claimed in claim 8 wherein said control unit varies said radial size of said sector in steps toward said upper alarm limit.

10. (Original) A user interface as claimed in claim 9 wherein said control unit varies said sector in two steps.

Claim 11 has been amended as follows:

11. (Currently Amended) A user interface as claimed in claim 1 wherein said control unit generates said sectors in a color, and additionally varies said color dependent on said result of said comparison.

12. (Original) A user interface as claimed in claim 1 wherein said control unit generates said regular polygon as a circle.

13. (Original) A user interface as claimed in claim 1 wherein said display screen comprises a touch-sensitive surface, and wherein said control unit generates, when a sector is touched, an image containing more detailed information with respect to the parameter represented by the touched sector.

Claim 14 has been amended as follows:

14. (Currently Amended) A user interface as claimed in claim 1 wherein said control unit generates at least one additional regular polygon simultaneously with said region polygon on said display screen.

15. (Original) A user interface as claimed in claim 14 wherein said control unit stacks said regular polygon and said at least one of additional regular polygon on said display screen, with a polygon among said regular polygon and said at least

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one additional regular polygon having a largest deviation between said signal data and said normal data being disposed at a top of the stack.

16. (Original) A user interface as claimed in claim 14 wherein said control unit causes said regular polygon and said at least one additional regular polygon to be displayed on said display screen in a small format, with one of said regular polygon and said at least one additional regular polygons displayed in a larger format.